

LISTING OF CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) An optically variable element, ~~in particular an optically variable safeguard element for safeguarding banknotes, credit cards and the like,~~ wherein the optically variable element has a thin film layer succession with at least one spacer layer for producing color shifts by means of interference, wherein in a first region of the thin film layer succession the spacer layer is of a different layer thickness from in a second region of the thin film layer succession, wherein the layer thicknesses of the spacer layer in the first and second regions are so selected that in the first region of the thin film layer succession a first color shift is produced by means of interference and in the second region of the thin film layer succession a second color shift which is different from the first color shift is produced, wherein the optically variable element has a diffractive structure, ~~in particular~~ for producing diffraction effects, wherein the diffractive structure covers the first and/or the second regions of the thin film layer succession.

2. (Previously Presented) An optically variable element as set forth in claim 1, wherein the spacer layer in the second region comprises two or more mutually superposed partial layers which jointly form the spacer layer in that region and that the spacer layer in the first region of the thin film layer succession has only one of the two or more partial layers, which forms the spacer layer in that region of the thin film layer succession.

3. (Previously Presented) An optically variable element as set forth in claim 2, wherein the two or more mutually superposed partial layers are formed as different patterns.

4. (Previously Presented) An optically variable element as set forth in claim 2, wherein at least one of the partial layers is in the form of a random pattern.

5. (Previously Presented) An optically variable element as set forth in claim 2, wherein the two or more mutually superposed partial layers are applied one over the other by means of masks of different shapes.

6. (Previously Presented) An optically variable element as set forth in claim 2, wherein the two or more mutually superposed partial layers are applied by means of a printing process, wherein a partial layer applied in a first printing process is over-printed in a second printing process.

7. (Previously Presented) An optically variable element as set forth in claim 1, wherein the layer thickness of the spacer layer changes continuously and/or non-continuously between the first and second regions of the thin film layer succession so that in said region of the thin film layer succession the color shift produced by the thin film layer succession changes continuously or non-continuously respectively.

8. (Previously Presented) An optically variable element as set forth in claim 1, wherein the spacer layer is delimited on the one hand by an absorption layer applied to a macro-structured replication layer and on the other hand by a substantially planar layer so that the layer thickness of the spacer layer is determined by the macro-structured replication layer.

9. (Previously Presented) An optically variable element as set forth in claim 1, wherein the spacer layer is macro-structured and is delimited on the one hand by an applied absorption layer and on the other hand by a reflection layer.

10. (Previously Presented) An optically variable element as set forth in claim 9, wherein the macro-structured spacer layer is produced by means of a surface-structured printing roller.

11. (Previously Presented) An optically variable element as set forth in claim 1, wherein the spacer layer is colored.

12. (Previously Presented) An optically variable element as set forth in claim 1, wherein the thin film layer succession has an absorption layer.

13. (Previously Presented) An optically variable element as set forth in claim 1, wherein the thin film layer succession has an absorption layer which acts as an absorption layer and as a replication layer.

14. (Previously Presented) An optically variable element as set forth in claim 1, wherein the thin film layer succession has an absorption layer and a replication layer, the absorption layer and the replication layer being formed from the same material.

15. (Previously Presented) An optically variable element as set forth in claim 1, wherein the thin film layer succession has a plurality of layers of differing refraction.

16. (Previously Presented) An optically variable element as set forth in claim 1, wherein the layer thickness of the spacer layer in the second region is so selected that the coherence condition is not fulfilled in the second region.

17. (Currently Amended) An optically variable element as set forth in claim 1, wherein the thin film layer succession has a reflecting layer, ~~preferably a metal layer.~~

18. (Previously Presented) An optically variable element as set forth in claim 1, wherein the reflecting layer only partially covers the surface region of the thin film layer.

19. (Currently Amended) An optically variable element as set forth in claim 1, wherein the optically variable element has a continuous transparent layer, ~~in particular a protective lacquer layer.~~

20. (Previously Presented) A security product having an optically variable element as set forth in claim 1.

21. (Currently Amended) A foil, ~~in particular an embossing foil or a laminating foil,~~ having an optically variable element as set forth in claim 1.

22. (Currently Amended) A process for producing an optically variable element, ~~in particular an optically variable safeguard element for safeguarding banknotes, credit cards and the like,~~ wherein applied to a substrate is a thin film layer succession with at least one spacer layer for producing color shifts by means of interference, wherein in a first region of the thin film layer succession the spacer layer is shaped in a different layer thickness from in a second region, of the thin film layer succession, wherein the layer thicknesses of the spacer layer in the first and second regions are so selected that in the first region of the thin film layer succession a first color shift is produced by means of interference and in the second region of the thin film layer succession a second color shift which is different from the first color shift is produced,

wherein the optically variable element is provided with a diffractive structure, ~~in particular~~ for producing diffraction effects, wherein the diffractive structure (17) is arranged in such a way that it covers the first and/or the second region of the thin film layer succession.

23. (Previously Presented) A process as set forth in claim 22, wherein two or more partial layers are applied in mutually superposed relationship to produce the spacer layer, wherein in the second region of the thin film layer succession the spacer layer is formed by two or more of the partial layers and thus the layer thicknesses of the partial layers are added and in the first region of the thin film layer succession the spacer layer is formed by only one of the partial layers.

24. (Previously Presented) A process as set forth in claim 22, wherein one or more of the partial layers is applied by vapor deposition.

25. (Previously Presented) A process as set forth in claim 22, wherein two or more of the partial layers are applied by vapor deposition using vapor deposition masks of differing forms.

26. (Previously Presented) A process as set forth in claim 22, wherein one or more of the partial layers is applied by a printing process.

27. (Previously Presented) A process as set forth in claim 22, wherein a spacer layer is printed on the substrate by means of a multiple roller assembly, the thickness of the spacer layer changing randomly.

28. (Previously Presented) A process as set forth in claim 22, wherein different patterns are printed on to the substrate in register relationship with differing layer thicknesses.